

## EAST Search History

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1    | 25   | (US-20040031230-\$ or US-20030126827-\$ or US-20060005503-\$ or US-20050284085-\$ or US-20010042353-\$ or US-20010039780-\$).did. or (US-4580380-\$ or US-6668513-\$ or US-6550847-\$ or US-6505454-\$ or US-6419305-\$ or US-6341467-\$ or US-6058673-\$ or US-5572846-\$ or US-3913290-\$ or US-2098752-\$). did. or (US-0183160-\$ or US-0132087-\$ or US-2230628-\$ or US-3443983-\$ or US-3417570-\$ or US-3324967-\$ or US-3313073-\$ or US-2783718-\$ or US-1857369-\$). did. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/04/10 12:50 |
| L2    | 25   | L1   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/04/10 12:51 |
| L3    | 4    | L2 and (metal with panel same plastic with coat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/04/10 12:51 |
| L4    | 7    | L1 and (polyurethane polyester polystyrene)  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/04/10 12:51 |
| L5    | 7    | L4   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/04/10 12:51 |
| L6    | 1    | L1 and (polyurethane polyester polystyrene) with (coat\$3 layer)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/04/10 12:57 |
| L7    | 1    | ("6058673").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/04/10 12:57 |
| L8    | 249  | (52/721.4).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/04/10 12:57 |
| L9    | 430  | (52/736.3,736.4).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/04/10 13:05 |
| L10   | 221  | (52/735.1).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/04/10 13:05 |
| L11   | 0    | ("2006/0005503").URPN.   | USPAT                        | OR               | ON      | 2007/04/10 13:05 |

## EAST Search History

|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| L12 | 120 | ("1814677"   "3649375"  <br>"3868796"   "4029128"   "4083384"<br>  "4463870"   "4695343"  <br>"4769391"   "4813690"   "4901395"<br>  "4946737"   "4984406"  <br>"5040803"   "5072952"   "5358397"<br>  "5382397"   "5575526"  <br>"5577784"   "5642914"   "5755486"<br>  "5806915"   "5819408"  <br>"5851626"   "5871849"   "5878784"<br>  "5894071"   "5901752"  <br>"5902656"   "5992923"   "6006484"<br>  "6033300"   "6053210"  <br>"6073991"   "6092864"   "6099948"<br>  "6131897"   "6146565"  <br>"6174932"   "6189953"   "6196621"<br>  "6197403"   "6199940"  <br>"6232433"   "6233826"   "6237304"<br>  "6247287"   "6253524"  <br>"6263635"   "6270600"   "6272809"<br>  "6276105"   "6277898"  <br>"6281260"   "6287666"   "6296298"<br>  "6303672"   "6305136"  <br>"6311452"   "6315938"   "6319964"<br>  "6321793"   "6332731"  <br>"6341467"   "6348513").PN. OR<br>("6419305").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 13:36 |
| L13 | 1   | ("5358397").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/10 13:36 |
| L14 | 20  | ("3054636"   "3470598"  <br>"4288896"   "4440434"   "4457547"<br>  "4708351"   "4863771"  <br>"5190803"   "5656353"   "5672405"<br>  "5823602"   "5846634"  <br>"5888600"   "6096403"   "6311452"<br>  "6471285").PN. OR ("6668513").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 13:54 |

## EAST Search History

|     |     |  |                              |    |    |                  |
|-----|-----|--|------------------------------|----|----|------------------|
| L15 | 174 | ("3054636"   "3123170"  <br>"3493257"   "3665968"   "3746387"<br>  "3757559"   "3890108"  <br>"4019301"   "4082825"   "4090734"<br>  "4238540"   "4378395"  <br>"4397490"   "4440434"   "4457555"<br>  "4559274"   "4610836"  <br>"4613177"   "4705716"   "4732806"<br>  "4751249"   "4762352"  <br>"4803108"   "4836516"   "4853270"<br>  "4861097"   "4898630"  <br>"4901500"   "4908930"   "4917435"<br>  "4922596"   "4923902"  <br>"4978562"   "4989913"   "4995545"<br>  "5102188"   "5122398"  <br>"5124186"   "5213391"   "5255487"<br>  "5266133"   "5344208"  <br>"5373027"   "5395135"   "5506025"<br>  "5560672"   "5575526"  <br>"5580120"   "5642914"   "5648401"<br>  "5649400"   "5652039"  <br>"5707098"   "5725272"   "5731069"<br>  "5755486"   "5766719"  <br>"5785376"   "5786394"   "5803533"<br>  "5804608"   "5806915"  <br>"5806919"   "5855094"   "5866052"<br>  "5884960"   "5885688"  <br>"5888600"   "5888642"   "5901528"<br>  "5904024"   "5932680"  <br>"5934737"   "5941597"   "5984389"<br>  "5985435"   "5988734"  <br>"5992923"   "5994422"   "6003274"<br>  "6004425"   "6022066"  <br>"6033300"   "6050630"   "6058673"<br>  "6059342"   "6068424"  <br>"6077884"   "6079180"   "6082811"<br>  "6090232"   "6092864"  <br>"6094798"   "6096403"   "6096791"<br>  "6099948"   "6102379"  <br>"6102473"   "6103341"   "6103784"<br>  "6110982"   "6129410"  <br>"6131897"   "6135542"   "6149227"<br>  "6150428"   "6152260"  <br>"6153709"   "6165588"  <br>"6168226").PN. OR ("6311452").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10 13:54 |
|-----|-----|--|------------------------------|----|----|------------------|

## EAST Search History

|                      |     |  |                              |    |    |                  |
|----------------------|-----|--|------------------------------|----|----|------------------|
| L16                  | 149 | ("20010020794"   "20010042353"  <br>"20020024233"   "20020053179"  <br>"20020074827"   "20030001469"  <br>"20030039792"   "20030042056"  <br>"20030057737"   "20030069335"  <br>"20030090129"   "20040011282"  <br>"20040074150"   "20040079478"  <br>"20040135058"   "3162086"  <br>"3400182"   "3851794"   "4128069"<br>  "4290536"   "4440434"  <br>"4463870"   "4610836"   "4751249"<br>  "4769391"   "4813690"  <br>"4836516"   "4853270"   "4861097"<br>  "4901395"   "4901500"  <br>"4923902"   "4978562"   "4984406"<br>  "5124186"   "5160465"  <br>"5266133"   "5288538"   "5358397"<br>  "5506025"   "5575526"  <br>"5631027"   "5725272"   "5755486"<br>  "5766719"   "5806915"  <br>"5829482"   "5888600"   "5931474"<br>  "5932680"   "5937486"  <br>"5985435"   "5992923"   "6003274"<br>  "6006484"   "6033300"  <br>"6040350"   "6053210"   "6059342"<br>  "6068424"   "6073991"  <br>"6079180"   "6092864"   "6096403"<br>  "6099948"   "6103341"  <br>"6129410"   "6131897"   "6135542"<br>  "6146565"   "6149227"  <br>"6150428"   "6165588"   "6168226"<br>  "6189953"   "6196621"  <br>"6199940"   "6207244"   "6233826"<br>  "6237304"   "6244601"  <br>"6247287"   "6250410"   "6253524"<br>  "6263635"   "6270600"  <br>"6272809"   "6276105"   "6281260"<br>  "6287666"   "6296298"  <br>"6305136"   "6311452"   "6315938"<br>  "6319964"   "6321793"  <br>"6332731"   "6341467"   "6357819"<br>  "6358584"   "6368438"  <br>"6372334"   "6382635"   "6383610"<br>  "6389775"   "6406078"  <br>"6413611"   "6419305"   "6422575"<br>  "6444713"   "6455146"  <br>"6467834"   "6471285"   "6474722"<br>  "6474723"   "6475577"  <br>"6482486"   "6482496"   "6491336"<br>  "6502821").PN. OR ("6519854"  <br>"6523857"   "6523884"   "6546693"<br>  "6561571"   "6573309"  <br>"6575526"   "6607238"   "6619727"<br>  "6634698"   "6641208"  <br>"6668457"   "6691468"   "6692347"<br>  "6708979"   "6729425"  <br>"6748667"   "6777049"   "6786533"<br>  "6793274"   "6811864"  <br>"6820023"   "68457170" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10 14:01 |
| 4/10/2007 3:58:42 PM |     | C:\Documents and Settings\Wolbert, M. Documents\EAST\Workspaces\10823124 20070406.wsp  |                              |    |    | Page 4           |

## EAST Search History

|     |     |   |                              |    |     |                  |
|-----|-----|---|------------------------------|----|-----|------------------|
| L17 | 39  | (US-20010042353-\$ or US-20010039780-\$ or US-20040031230-\$ or US-20030126827-\$ or US-20060005503-\$ or US-20050284085-\$).did. or (US-2098752-\$ or US-6058673-\$ or US-6419305-\$ or US-3913290-\$ or US-5572846-\$ or US-6550847-\$ or US-6341467-\$ or US-6668513-\$ or US-4580380-\$ or US-6505454-\$ or US-4854107-\$ or US-6311452-\$ or US-6253524-\$ or US-6247287-\$ or US-6003274-\$ or US-5941597-\$ or US-4470619-\$ or US-5992923-\$ or US-6877787-\$ or US-6969551-\$ or US-4457547-\$ or US-5649400-\$ or US-5560672-\$).did. or (US-0183160-\$ or US-2783718-\$ or US-3417570-\$ or US-2230628-\$ or US-0132087-\$ or US-3443983-\$ or US-1857369-\$ or US-3324967-\$ or US-3313073-\$ or US-2098752-\$). did. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 14:21 |
| L18 | 2   | L17 and thermoplastic with (coat\$3 layer)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 14:22 |
| L19 | 1   | ("6938389").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/10 14:59 |
| L20 | 43  | ("2287667"   "2834412"   "3357681"   "3508369"   "3559357"   "3834104"   "4189880"   "4193235"   "4231141"   "4233790"   "4272073"   "4690192"   "4718213"   "4726869"   "4759087"   "4817655"   "4845916"   "4926605"   "5044131"   "5172743"   "5209029"   "5224306"   "5237785"   "5242004"   "5259323"   "5291705"   "5469672"   "5514432"   "5555695"   "5577352"   "5713108"   "5791115"   "5794400"   "5906078"   "6321397"   "D218295"   "D309351").PN. OR ("6938389").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 14:57 |
| L21 | 874 | (52/720.1,730.1,730.4).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/10 14:59 |

## EAST Search History

|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| L22 | 40  | (US-20010042353-\$ or US-20010039780-\$ or US-20040031230-\$ or US-20030126827-\$ or US-20060005503-\$ or US-20050284085-\$).did. or (US-2098752-\$ or US-6058673-\$ or US-6419305-\$ or US-3913290-\$ or US-5572846-\$ or US-6550847-\$ or US-6341467-\$ or US-6668513-\$ or US-4580380-\$ or US-6505454-\$ or US-4854107-\$ or US-6311452-\$ or US-6253524-\$ or US-6247287-\$ or US-6003274-\$ or US-5941597-\$ or US-4470619-\$ or US-5992923-\$ or US-6877787-\$ or US-6969551-\$ or US-4457547-\$ or US-5649400-\$ or US-5560672-\$ or US-5483782-\$). did. or (US-0183160-\$ or US-2783718-\$ or US-3417570-\$ or US-2230628-\$ or US-0132087-\$ or US-3443983-\$ or US-1857369-\$ or US-3324967-\$ or US-3313073-\$ or US-2098752-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 15:25 |
| L23 | 0   | L22 and ((aperture hole) with (bead))  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 15:30 |
| L24 | 768 | panel and (bead with aperture)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 15:32 |
| S1  | 486 | (52/731.2).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/09 08:07 |
| S2  | 2   | ((("5190803") or ("6505585")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/06 15:06 |
| S3  | 2   | ((("5190803") or ("6503585")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/06 15:08 |
| S4  | 0   | ("2003047837").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/06 15:09 |
| S5  | 0   | ("2003047837").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/06 15:09 |
| S6  | 0   | "2003047837"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/06 15:09 |

## EAST Search History

|     |        |  |                              |    |     |                  |
|-----|--------|--|------------------------------|----|-----|------------------|
| S7  | 0      | ("hollowwithbeamsameplasticnearcoat\$3").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/06 16:04 |
| S8  | 6      | hollow with beam same plastic near coat\$3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/06 16:06 |
| S9  | 103    | hollow with (beam shaft) same plastic near coat\$3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/06 16:07 |
| S10 | 153306 | "52"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/06 16:07 |
| S11 | 225139 | "428"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/06 16:07 |
| S12 | 1081   | metal with panel same plastic with coat\$3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/09 08:08 |
| S13 | 153306 | "52"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/09 08:08 |
| S14 | 225139 | "428"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/09 08:08 |
| S15 | 370348 | (S13 S14)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/09 08:08 |
| S16 | 319    | S12 and S15  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/09 15:35 |
| S17 | 1      | ("6881005").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/09 15:36 |
| S18 | 1035   | (52/736.3,737.4,737.6,738.1,735.1).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/10 13:04 |
| S19 | 0      | ("2006/0005503").URPN.   | USPAT                        | OR | ON  | 2007/04/09 15:39 |
| S20 | 0      | (11/175485).APP.   | USPAT;<br>USOCR              | OR | ON  | 2007/04/09 16:09 |
| S21 | 1      | ("5842265").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/09 16:09 |
| S22 | 8      | ((("3591996") or ("3890679") or ("4076790") or ("4956139") or ("5049336") or ("5197935") or ("5541694") or ("5558828"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/09 16:10 |

## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S23 | 1  | ("4091301").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/09 16:11 |
| S24 | 1  | ("4019301").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/04/09 16:12 |
| S25 | 25 | (US-20040031230-\$ or<br>US-20030126827-\$ or<br>US-20060005503-\$ or<br>US-20050284085-\$ or<br>US-20010042353-\$ or<br>US-20010039780-\$).did. or<br>(US-4580380-\$ or US-6668513-\$ or<br>US-6550847-\$ or US-6505454-\$ or<br>US-6419305-\$ or US-6341467-\$ or<br>US-6058673-\$ or US-5572846-\$ or<br>US-3913290-\$ or US-2098752-\$).<br>did. or (US-0183160-\$ or<br>US-0132087-\$ or US-2230628-\$ or<br>US-3443983-\$ or US-3417570-\$ or<br>US-3324967-\$ or US-3313073-\$ or<br>US-2783718-\$ or US-1857369-\$).<br>did. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 12:52 |
| S26 | 7  | S25 and (polyurethane polyester<br>polystyrene)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/04/10 12:51 |